

ABSTRACT

In one exemplary embodiment, an automated medication preparation system is provided and is in the form of an automated syringe preparation that includes reconstitution of the medication and delivery of the reconstituted medication to a syringe. The system includes an automated fluid delivery device that is movable in at least one direction and is adapted to perform at least one of the following operations: (1) receiving and discharging diluent from a diluent supply in a prescribed amount to reconstitute the medication in a drug vial; and (2) aspirating and later discharging reconstituted medication from the drug vial into the syringe. The system also includes a transfer device that includes a first section for piercing the septum of the drug vial and a second section for sealingly yet releasably mating with the fluid delivery device. The transfer device is constructed so that it remains within the drug vial for multiple uses without the need to pierce the septum more than one time and therefore, the disadvantages associated with the prior art are overcome. The transfer device has a first channel extending through the first and second sections for carrying diluent or reconstituted medication and a second channel that is in fluid communication with a vent that is formed as part of the transfer device to permit air to flow into the drug vial.